

THAT WHICH IS CLAIMED IS:

1. A housing assembly for an induction heating device, the housing assembly defining a processing chamber and comprising:
  - a) a susceptor surrounding at least a portion of the processing chamber; and
  - b) a thermally conductive liner interposed between the susceptor and the processing chamber, wherein the liner is separately formed from the susceptor.
  - c) wherein the liner is removable from the susceptor without requiring disassembly of the susceptor.
2. The housing assembly of Claim 1 including:
  - a first susceptor portion and a second susceptor portion disposed on opposed sides of the processing chamber;
  - a first liner disposed between the first susceptor portion and the processing chamber; and
  - a second liner disposed between the second susceptor portion and the processing chamber.
3. A housing assembly for an induction heating device, the housing assembly defining a processing chamber and comprising:
  - a) a susceptor surrounding at least a portion of the processing chamber; and
  - b) a thermally conductive liner interposed between the susceptor and the processing chamber, wherein the liner is separately formed from the susceptor;
  - c) wherein the susceptor includes a platter region, the housing assembly further including:
    - a platter adapted to support the article disposed in the processing chamber and overlying the platter region; and
    - an opening defined in the liner and interposed between the platter region and the platter.

4. A housing assembly for an induction heating device, the housing assembly defining a processing chamber and comprising:

- a) a susceptor surrounding at least a portion of the processing chamber; and
- b) a thermally conductive liner interposed between the susceptor and the processing chamber, wherein the liner is separately formed from the susceptor;
- c) wherein the liner varies in thickness along at least a portion of its length.

5. A housing assembly for an induction heating device, the housing assembly defining a processing chamber and comprising:

- a) a susceptor surrounding at least a portion of the processing chamber; and
- b) a thermally conductive liner interposed between the susceptor and the processing chamber, wherein the liner is separately formed from the susceptor;
- c) wherein the susceptor includes a susceptor core of a first material and a susceptor coating of a second material; and
- d) wherein the second material is selected from the group consisting of refractory metal carbides.

6. The housing assembly of Claim 5 wherein the second material is TaC.

7. The housing assembly of Claim 5 wherein the first material is graphite.